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SEQUENCE LISTING

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Battail-Poirot, Nicole

<120> Isolated cytotoxic factor associated with multiple sclerosis and
method of detecting said cytotoxic factor

<130> 128125

<140>

<141>

<150> PCT/FR04/050748

<151> 2004-12-22

<160> 3

<170> PatentIn version 3.1

<210> 1

<211> 193

<212> PRT

<213> Artificial sequence

<220>

<221> Site

<222> 153

<223> recombinant protein wherein Xaa is Val or Ala due to polymorphism

<400> 1

Met Gln Ser Leu Met Gln Ala Pro Leu Leu Ile Ala Leu Gly Leu Leu
1 5 10 15

Leu Ala Ala Pro Ala Gln Ala His Leu Lys Lys Pro Ser Gln Leu Ser
20 25 30

Ser Phe Ser Trp Asp Asn Cys Asp Glu Gly Lys Asp Pro Ala Val Ile
35 40 45

Arg Ser Leu Thr Leu Glu Pro Asp Pro Ile Ile Val Pro Gly Asn Val
50 55 60

Thr Leu Ser Val Met Gly Ser Thr Ser Val Pro Leu Ser Ser Pro Leu
65 70 75 80

Lys Val Asp Leu Val Leu Glu Lys Glu Val Ala Gly Leu Trp Ile Lys
85 90 95

Ile Pro Cys Thr Asp Tyr Ile Gly Ser Cys Thr Phe Glu His Phe Cys

	100		105		110
Asp Val Leu Asp Met Leu Ile Pro Thr Gly Glu Pro Cys Pro Glu Pro	115		120		125
Leu Arg Thr Tyr Gly Leu Pro Cys His Cys Pro Phe Lys Glu Gly Thr	130		135		140
Tyr Ser Leu Pro Lys Ser Glu Phe Xaa Val Pro Asp Leu Glu Leu Pro	145		150		155
Ser Trp Leu Thr Thr Gly Asn Tyr Arg Ile Lys Ser Val Leu Ser Ser	165		170		175
Ser Gly Lys Arg Leu Gly Cys Ile Lys Ile Ala Ala Ser Leu Lys Gly	180		185		190

Ile

<210> 2

<211> 193

<212> PRT

<213> Artificial sequence

<220>

<221> Site

<222> 153

<223> recombinant protein wherein Xaa is Val or Ala due to polymorphism

<400> 2

Met Gln Ser Leu Met Gln Ala Pro Leu Leu Ile Ala Leu Gly Leu Leu	1	5	10	15
Leu Ala Ala Pro Ala Gln Ala His Leu Lys Lys Pro Ser Gln Leu Ser	20	25	30	
Ser Phe Ser Trp Asp Asn Cys Phe Glu Gly Lys Asp Pro Ala Val Ile	35	40	45	
Arg Ser Leu Thr Leu Glu Pro Asp Pro Ile Ile Val Pro Gly Asn Val	50	55	60	
Thr Leu Ser Val Met Gly Ser Thr Ser Val Pro Leu Ser Ser Pro Leu	65	70	75	80
Lys Val Asp Leu Val Leu Glu Lys Glu Val Ala Gly Leu Trp Ile Lys	85	90	95	
Ile Pro Cys Thr Asp Tyr Ile Gly Ser Cys Thr Phe Glu His Phe Cys	100	105	110	

Asp Val Leu Asp Met Leu Ile Pro Thr Gly Glu Pro Cys Pro Glu Pro
 115 120 125
 Leu Arg Thr Tyr Gly Leu Pro Cys His Cys Pro Phe Lys Glu Gly Thr
 130 135 140
 Tyr Ser Leu Pro Lys Ser Glu Phe Xaa Val Pro Asp Leu Glu Leu Pro
 145 150 155 160
 Ser Trp Leu Thr Thr Gly Asn Tyr Arg Ile Lys Ser Val Leu Ser Ser
 165 170 175
 Ser Gly Lys Arg Leu Gly Cys Ile Lys Ile Ala Ala Ser Leu Lys Gly
 180 185 190
 Ile

<210> 3

<211> 193

<212> PRT

<213> Artificial sequence

<220>

<223> recombinant protein

<400> 3

Met Gln Ser Leu Met Gln Ala Pro Leu Leu Ile Ala Leu Gly Leu Leu
 1 5 10 15
 Leu Ala Thr Pro Ala Gln Ala His Leu Lys Lys Pro Ser Gln Leu Ser
 20 25 30
 Ser Phe Ser Trp Asp Asn Cys Phe Glu Gly Lys Asp Pro Ala Val Ile
 35 40 45
 Arg Ser Leu Thr Leu Glu Pro Asp Pro Ile Val Val Pro Gly Asn Val
 50 55 60
 Thr Leu Ser Val Val Gly Ser Thr Ser Val Pro Leu Ser Ser Pro Leu
 65 70 75 80
 Lys Val Asp Leu Val Leu Glu Lys Glu Val Ala Gly Leu Trp Ile Lys
 85 90 95
 Ile Pro Cys Thr Asp Tyr Ile Gly Ser Cys Thr Phe Glu His Phe Cys
 100 105 110
 Asp Val Leu Asp Met Leu Ile Pro Thr Gly Glu Pro Cys Pro Glu Pro
 115 120 125
 Leu Arg Thr Tyr Gly Leu Pro Cys His Cys Pro Phe Lys Glu Gly Thr
 130 135 140
 Tyr Ser Leu Pro Lys Ser Glu Phe Ala Val Pro Asp Leu Glu Leu Pro

[illegible]